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RAW SEQUENCE LISTING

DATE: 07/25/2001

PATENT APPLICATION: US/09/901,910

TIME: 14:29:14

Input Set : A:\126p2-sl.txt

Output Set: N:\CRF3\07252001\I901910.raw

3 <110> APPLICANT: Li, Haodong
4 Adams, Mark
5 Calenda Valerie
7 <120> TITLE OF INVENTION: Connective Tissue Growth Factor-2
9 <130> FILE REFERENCE: PF126P2
11 <140> CURRENT APPLICATION NUMBER: US/09/901,910
12 <141> CURRENT FILING DATE: 2001-07-11
14 <150> PRIOR APPLICATION NUMBER: 09/348,815
15 <151> PRIOR FILING DATE: 1999-07-08
17 <150> PRIOR APPLICATION NUMBER: 08/459,101
18 <151> PRIOR FILING DATE: 1995-06-02
20 <150> PRIOR APPLICATION NUMBER: PCT/US94/07736
21 <151> PRIOR FILING DATE: 1994-07-12
23 <150> PRIOR APPLICATION NUMBER: 60/217,402
24 <151> PRIOR FILING DATE: 2000-07-11
26 <150> PRIOR APPLICATION NUMBER: 60/291,642
27 <151> PRIOR FILING DATE: 2001-05-18
29 <160> NUMBER OF SEQ ID NOS: 8
31 <170> SOFTWARE: PatentIn version 3.0
33 <210> SEQ ID NO: 1
34 <211> LENGTH: 1146
35 <212> TYPE: DNA
36 <213> ORGANISM: homo sapiens
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41 ctggcgctct ccacctgcc cgctgcctgc cactgcccc tggaggcgcc caagtgcgcg 120
43 ccgggagtcg ggctggtccg ggacggctgc ggctgctgta aggtctgcg caagcagctc 180
45 aacgaggact gcagcaaac gcagccctgc gaccacacca aggggctgga atgcaacttc 240
47 ggcgccagct ccaccgctct gaaggggatc tgcagagctc agtcagaggg cagaccctgt 300
49 gaataataact ccagaatcta ccaaaacggg gaaagtcttc agcccaactg taaacatcag 360
51 tgcacatgta ttgatggcgc cgtgggctgc attcctctgt gtccccaaga actatctctc 420
53 cccaacttgg gctgtcccaa ccctcggtcg gtcaaagtta ccgggcagtg ctgcgaggag 480
55 tgggtctgtg acgaggatag tatcaaggac cccatggagg accaggacgg cctccttggc 540
57 aaggagctgg gattcgatgc ctccgaggtg gagttgacga gaaacaatga attgattgca 600
59 gttggaaaag gcagctcact gaagcggctc cctgtttttg gaatggagcc tcgcatccta 660
61 tacaaccctt tacaaggcca gaaatgtatt gttcaaacaa cttcatggtc ccagtgtctc 720
63 aagacctgtg gaactggtat ctccacacga gttaccaatg acaaccctga gtgcgcgctt 780
65 gtgaaagaaa cccggatttg tgaggtgcgg ccttgtggac agccagtgtg cagcagcctg 840
67 aaaaagggca agaaatgcag caagaccaag aaatcccccg aaccagtcag gtttacttac 900
69 gctggatgtt tgagtgtgaa gaaataccgg cccaagtact gcggttctcg cgtggacggc 960
71 cgatgctgca cgccccagct gaccaggact gtgaagatgc ggttcgctg cgaagatggg 1020
73 gagacatctt ccaagaacgt catgatgac cagtcctgca aatgcaacta caactgcccg 1080
75 catgccaatg aagcagcgtt tcccttctac aggcgtgttc atgacattca caaatttagg 1140
77 gactaa
79 <210> SEQ ID NO: 2
80 <211> LENGTH: 381
81 <212> TYPE: PRT

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84 <400> SEQUENCE: 2
86 Met Ser Ser Arg Ile Ala Arg Ala Leu Ala Leu Val Val Thr Leu Leu
87 1 5 10 15
89 His Leu Thr Arg Leu Ala Leu Ser Thr Cys Pro Ala Ala Cys His Cys
90 20 25 30
92 Pro Leu Glu Ala Pro Lys Cys Ala Pro Gly Val Gly Leu Val Arg Asp
93 35 40 45
95 Gly Cys Gly Cys Cys Lys Val Cys Ala Lys Gln Leu Asn Glu Asp Cys
96 50 55 60
98 Ser Lys Thr Gln Pro Cys Asp His Thr Lys Gly Leu Glu Cys Asn Phe
99 65 70 75 80
101 Gly Ala Ser Ser Thr Ala Leu Lys Gly Ile Cys Arg Ala Gln Ser Glu
102 85 90 95
104 Gly Arg Pro Cys Glu Tyr Asn Ser Arg Ile Tyr Gln Asn Gly Glu Ser
105 100 105 110
107 Phe Gln Pro Asn Cys Lys His Gln Cys Thr Cys Ile Asp Gly Ala Val
108 115 120 125
110 Gly Cys Ile Pro Leu Cys Pro Gln Glu Leu Ser Leu Pro Asn Leu Gly
111 130 135 140
113 Cys Pro Asn Pro Arg Leu Val Lys Val Thr Gly Gln Cys Cys Glu Glu
114 145 150 155 160
116 Trp Val Cys Asp Glu Asp Ser Ile Lys Asp Pro Met Glu Asp Gln Asp
117 165 170 175
119 Gly Leu Leu Gly Lys Glu Leu Gly Phe Asp Ala Ser Glu Val Glu Leu
120 180 185 190
122 Thr Arg Asn Asn Glu Leu Ile Ala Val Gly Lys Gly Ser Ser Leu Lys
123 195 200 205
125 Arg Leu Pro Val Phe Gly Met Glu Pro Arg Ile Leu Tyr Asn Pro Leu
126 210 215 220
128 Gln Gly Gln Lys Cys Ile Val Gln Thr Thr Ser Trp Ser Gln Cys Ser
129 225 230 235 240
131 Lys Thr Cys Gly Thr Gly Ile Ser Thr Arg Val Thr Asn Asp Asn Pro
132 245 250 255
134 Glu Cys Arg Leu Val Lys Glu Thr Arg Ile Cys Glu Val Arg Pro Cys
135 260 265 270
137 Gly Gln Pro Val Tyr Ser Ser Leu Lys Lys Gly Lys Lys Cys Ser Lys
138 275 280 285
140 Thr Lys Lys Ser Pro Glu Pro Val Arg Phe Thr Tyr Ala Gly Cys Leu
141 290 295 300
143 Ser Val Lys Lys Tyr Arg Pro Lys Tyr Cys Gly Ser Cys Val Asp Gly
144 305 310 315 320
146 Arg Cys Cys Thr Pro Gln Leu Thr Arg Thr Val Lys Met Arg Phe Arg
147 325 330 335
149 Cys Glu Asp Gly Glu Thr Phe Ser Lys Asn Val Met Met Ile Gln Ser
150 340 345 350
152 Cys Lys Cys Asn Tyr Asn Cys Pro His Ala Asn Glu Ala Ala Phe Pro
153 355 360 365
155 Phe Tyr Arg Leu Phe Asn Asp Ile His Lys Phe Arg Asp

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160 <211> LENGTH: 28
161 <212> TYPE: DNA
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168 <210> SEQ ID NO: 4
169 <211> LENGTH: 27
170 <212> TYPE: DNA
171 <213> ORGANISM: homo sapiens
173 <400> SEQUENCE: 4
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176 <210> SEQ ID NO: 5
177 <211> LENGTH: 58
178 <212> TYPE: DNA
179 <213> ORGANISM: homo sapiens
181 <400> SEQUENCE: 5
182 cgctctagat taagcgtagt ctgggacgtc gtatgggtat tggaacagcc tgtagaag        58
184 <210> SEQ ID NO: 6
185 <211> LENGTH: 1128
186 <212> TYPE: DNA
187 <213> ORGANISM: homo sapiens
189 <400> SEQUENCE: 6
190 atgagctccc gaatcgctcag ggagctcgcc ttagtcgtca cccttctcca cttgaccagg        60
192 gtggggctct ccacctgcc cgctgactgc cactgcccc tggaggcgcc caagtgcgcg        120
194 ccgggagtcg ggctggctcg ggacggctgc ggctgttgta aggtctgcgc caagcagctc        180
196 aacgaggact gcagaaaaac gcagccctgc gaccacacca aggggctgga atgcaacttc        240
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202 tgcacatgta ttggatggcg ccggggggct tgcattcctc tgtgtcccca agaactatct        420
204 ctccccaaact tgggctgtcc caacctcgg ctggctcaag ttaccgggca gtgctgcgag        480
206 gagtgggtct gtgacgagga tagtatcaag gaccccatgg aggaccagga cggcctcctt        540
208 ggcaaggggc tgggattcga tgcctccgag gtggagttga cgagaaacaa tgaattgatt        600
210 gcagttggaa aaggcagctc actgaagcgg ctccctgttt ttggaatgga gcctcgcac        660
212 ctatacaacc ctttacaagg ccagaaatgt attgttcaaa caacttcatt gtcccagtcg        720
214 tcaaagacct gtggaactgg tatctccaca cgagttacca atgacaaccc tgagtgcgcg        780
216 cttgtgaaag aaaccgggat ttgtgaggtg cggccttggt gacagccagt gtacagcagc        840
218 ctgaaaaagg gcaagaaatg cagcaagacc aagaaatccc ccgaaccagt caggtttact        900
220 tacgctggat gtttgagtgt gaagaaatac cggcccaagt actgcggttc ctgcgtggac        960
222 ggccgatgct gcacgcccc gctgaccagg actgtgaaga tgcggttccc ctgcgaagat       1020
224 ggggagacat tttccaagaa cgtcatgatg atccagtcct ccaaattgcaa ctacaactgc       1080
226 ccgcatgcca atgaagcagc gtttcccttc tacaggctgt tccaatga                1128
229 <210> SEQ ID NO: 7
230 <211> LENGTH: 375
231 <212> TYPE: PRT
232 <213> ORGANISM: homo sapiens
234 <400> SEQUENCE: 7
236 Met Ser Ser Arg Ile Val Arg Glu Leu Ala Leu Val Val Thr Leu Leu

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237 1          5          10          15
239 His Leu Thr Arg Val Gly Leu Ser Thr Cys Pro Ala Asp Cys His Cys
240          20          25          30
242 Pro Leu Glu Ala Pro Lys Cys Ala Pro Gly Val Gly Leu Val Arg Asp
243          35          40          45
245 Gly Cys Gly Cys Cys Lys Val Cys Ala Lys Gln Leu Asn Glu Asp Cys
246          50          55          60
248 Arg Lys Thr Gln Pro Cys Asp His Thr Lys Gly Leu Glu Cys Asn Phe
249 65          70          75          80
251 Gly Ala Ser Ser Thr Ala Leu Lys Gly Ile Cys Arg Ala Gln Ser Glu
252          85          90          95
254 Gly Arg Pro Cys Glu Tyr Asn Ser Arg Ile Tyr Gln Asn Gly Glu Ser
255          100          105          110
257 Phe Gln Pro Asn Cys Lys His Gln Cys Thr Cys Ile Gly Trp Arg Arg
258          115          120          125
260 Gly Ala Cys Ile Pro Leu Cys Pro Gln Glu Leu Ser Leu Pro Asn Leu
261          130          135          140
263 Gly Cys Pro Asn Pro Arg Leu Val Lys Val Thr Gly Gln Cys Cys Glu
264 145          150          155          160
266 Glu Trp Val Cys Asp Glu Asp Ser Ile Lys Asp Pro Met Glu Asp Gln
267          165          170          175
269 Asp Gly Leu Leu Gly Lys Gly Leu Gly Phe Asp Ala Ser Glu Val Glu
270          180          185          190
272 Leu Thr Arg Asn Asn Glu Leu Ile Ala Val Gly Lys Gly Ser Ser Leu
273          195          200          205
275 Lys Arg Leu Pro Val Phe Gly Met Glu Pro Arg Ile Leu Tyr Asn Pro
276          210          215          220
278 Leu Gln Gly Gln Lys Cys Ile Val Gln Thr Thr Ser Trp Ser Gln Cys
279 225          230          235          240
281 Ser Lys Thr Cys Gly Thr Gly Ile Ser Thr Arg Val Thr Asn Asp Asn
282          245          250          255
284 Pro Glu Cys Arg Leu Val Lys Glu Thr Arg Ile Cys Glu Val Arg Pro
285          260          265          270
287 Cys Gly Gln Pro Val Tyr Ser Ser Leu Lys Lys Gly Lys Lys Cys Ser
288          275          280          285
290 Lys Thr Lys Lys Ser Pro Glu Pro Val Arg Phe Thr Tyr Ala Gly Cys
291          290          295          300
293 Leu Ser Val Lys Lys Tyr Arg Pro Lys Tyr Cys Gly Ser Cys Val Asp
294 305          310          315          320
296 Gly Arg Cys Cys Thr Pro Gln Leu Thr Arg Thr Val Lys Met Arg Phe
297          325          330          335
299 Pro Cys Glu Asp Gly Glu Thr Phe Ser Lys Asn Val Met Met Ile Gln
300          340          345          350
302 Ser Ser Lys Cys Asn Tyr Asn Cys Pro His Ala Asn Glu Ala Ala Phe
303          355          360          365
305 Pro Phe Tyr Arg Leu Phe Gln
306          370          375
308 <210> SEQ ID NO: 8
309 <211> LENGTH: 30

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310 <212> TYPE: DNA

311 <213> ORGANISM: homo sapiens

313 <400> SEQUENCE: 8

314 cgcgggtacc aggtagcatt tagtcctaa

30

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/901,910

DATE: 07/25/2001

TIME: 14:29:15

Input Set : A:\126p2-sl.txt

Output Set: N:\CRF3\07252001\I901910.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number